ted: Mon, Mar 16, 1992 5:28 PM EST Msg: WJJC-1704-8924
m: LCARPENTER
MODIS.DATA.TEAM
bj: MODIS SDST Minutes 03/13/92

DDIS Science Data Support Team (SDST) Meeting Minutes 03/13/92

TENDEES: Lloyd Carpenter RDC 982-3708
Larry Fishtahler CSC 464-3385
Al Fleig 900 286-7747
Harold Geller MCST/RDC 982-3740
Tom Goff RDC 982-3704
Liam Gumley RDC 982-3748
Janine Harrison 920 286-5324
Ed Masuoka 920 286-7608
Jim Ormsby 974 286-6811
Will Webster 920.2 286-4506

XT MEETING: Date Time Building Room
Friday, March 20 10:00 am 22 G95

PICS:

MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley presented a status report on MAS processing and software developmer luding modification of the code to allow processing to Level- 1B without navigation data for processing the ground calibration datasets.

m has found the NetCDF to be a user friendly system. He wrote a utility which prints a brief summary of a MAS Level-1B flight tra . The code illustrates the access to netCDF library routines through the FORTRAN interface. This routine has been included in the utili a of the MAS anonymous FTP site.

e coherent noise observed in MAS image data was analyzed producing frequency spectra for sample cases. The 400 Hz signal is clear ble. The harmonics at 1200 Hz and 2800 Hz are also very apparent in one of the test cases. The MAS has been modified to reduce t se, but it is still present in the FIRE science data.

ıon Hook of the JPL ASTER team has expressed an interest in using the MAS data.

MAS CATALOGING SCHEME: Liam Gumley presented his cataloging scheme for MAS data (see the handout from 02/21/92). The ma nponents are a Directory Service (providing high-level information on metadata and/or data set catalogs), a Guide Service (providing detail ormation on specified data sets), and an Inventory Service (providing information needed to identify and retrieve individual granules of a da . Extensive information was given on potential users, the MAS Guide Service free-form text file content, and the Inventory tab ıctures. Suggestions for retrieval and/or visualization of browse or quick-look products were also presented and discussed.

e DBMS is to be developed and managed by the NSSDC. The SDST will provide the entries.

cussion of these services should be considered for an agenda item at the MODIS Science Team Meeting. Alternatively, a mailer should l pared for the Science Team Members describing the proposed MAS cataloging services.

MAS DATA STORAGE AND DISTRIBUTION PLAN: This topic was not discussed due to lack of time.

MODIS DATA GRIDDING/RESAMPLING: The subject of resampling or gridding of MODIS data was discussed briefly in terms of t ations and shapes on the earth of the pixels within a scan, and the stage in the processing at which the resampling should be done. F mple, could the resampling be done before Level-2?

TION ITEMS:

30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents produced, software development, MAS support, etc. (Further modifications are being made to the schedule.) STATUS: Open. Due da 27/91.

06/91 [Liam Gumley]: Investigate a cataloguing scheme for the MAS data. Consider the Master Catalogue, PLDS and PCDS. STATU sed.

06/91 [Liam Gumley, Tom Goff, Ed Masuoka]: Develop a plan for storing and distributing MAS data. STATUS: Closed.

03/92 [Team]: Check on the set of software engineering tools available in Code 530 to see if any of these would be of use to the SDS scussions were held previously with Frank McGarry of Code 530. The file dump algorithm and the cloud algorithm were processed usi :QA when it was available in Code 563.2.) STATUS: Open. Due date 02/14/92.

17/92 [Tom Goff]: Have a polished version (with peer review) of the file dump routine ready for the MODIS Science Team Meetin ATUS: Open. Due date 04/01/92.

21/92 [Ed Masuoka]: Talk to Code 930 and find out what tools they have for porting data between computers from different vendo ATUS: Open. Due date 03/13/92.

21/92 [Lloyd Carpenter and Team]: Identify a list of risks associated with porting Team Members' algorithms to the PGS. Prepare the discussion at the Science Team Meeting. STATUS: Open. Due date 04/01/92.

28/92 [Lloyd Carpenter]: Modify the SDST Schedule by adding a "Concept Development" activity and adjusting the start time of Tea mber algorithm development. STATUS: Closed.

28/92 [Liam Gumley]: Develop a plan to accelerate MAS processing using less of Liam's time. STATUS: Open. Due date 03/20/92.

13/92 [Ed Masuoka and Liam Gumley]: Find out what is involved in setting up the catalogue for MAS data. STATUS: Open. Due da 03/92.